

To:

Ex. 6 - Personal Privacy

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From: Jennifer Griffith
Sent: Tue 3/28/2017 2:06:39 PM
Subject: PFAS - March 16th States/EPA Webinar - Follow-up
[ME_PFC_ScreeningLevels_060514 \(4\).pdf](#)
[VTSludge Report FINAL.pdf](#)
[PFAS_SitesSummaryDRAFT1-10-17.pdf](#)

To: NEWMOA PFAS Working Group

Below (and attached) is the follow-up information from our March states/EPA PFAS monthly call – which was a webinar – Cathy Beahm’s presentation on NH DES modeling of PFOA air deposition is available on the NEWMOA website at:
www.newmoa.org/events/event.cfm?m=260

1- We want to add a **summary of state PFAS standards and sampling/analysis requirements** to the PFAS workshop – so far I have only received responses from NH, NJ, and RI. **CT, ME, MA, NY, and VT - please answer the following questions ASAP** – thanks:

- a. What target analytes must be included when groundwater or drinking water is analyzed for PFAS?
 - b. Which laboratory method must be used?
 - c. Does your state use a standard or guideline that differs from EPA's Health Advisory of 70 ppt?
 - d. How is your health advisory/guideline/standard applied? Are the concentrations of PFAS other than PFOA and PFOS summed for the comparison? If so, which ones?
 - e. Does your state have standards or guidelines for soil or other media? If so, please answer the same set of Qs, as applicable
- 2- Vermont's report on testing WWTP and septic tank sludge – and compost made from the WWTP sludge (attached)
- 3- Maine's CDC guidance from 2014 that also contains guidelines for surface water (attached)
- 4- New Hampshire's sampling results from a monitoring well at a car wash (below)
- 5- A reminder that we want to have a **summary of state experience** snapshot – so states can have an idea of who has experience with which types of PFAS sites – so far I only have summaries from CT, MA, NJ, and VT (attached) – **ME, NH, NY, and RI – please send your information ASAP** – thanks!

Client: New Hampshire Department of Environmental Services
Project: Regulated Car Wash
Sample Matrix: Water

Sample Name: 22 LaFayette Rd (PWMW1)
Lab Code: K1610470-002

Service
Date C
Date I

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPL

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Anal
HFPO-DA	ND U	4.6	1	09/28/16 0
Perfluorobutanoic Acid	640	93	10	09/30/16 0
Perfluoropentanoic Acid	3400	46	10	09/30/16 0
Perfluorobutane Sulfonate	5.3	4.6	1	09/28/16 0
Perfluorohexanoic Acid	3500	46	10	09/30/16 0
Perfluoroheptanoic Acid	1200	46	10	09/30/16 0
Perfluorohexane Sulfonate	4.9	4.6	1	09/28/16 0
Perfluorooctanoic Acid	33	1.9	1	09/28/16 0
Perfluorononanoic Acid	ND U	4.6	1	09/28/16 0
Perfluorooctane Sulfonate	19	4.6	1	09/28/16 0
Perfluorodecanoic Acid	350	4.6	1	09/28/16 0
Perfluoroundecanoic Acid	ND U	4.6	1	09/28/16 0
Perfluorodecane Sulfonate	ND U	4.6	1	09/28/16 0
Perfluorododecanoic Acid	ND U	4.6	1	09/28/16 0
Perfluorooctylsulfonamide	ND U	4.6	1	09/28/16 0
Perfluoro-n-tridecanoic acid	ND U	4.6	1	09/28/16 0
Perfluoro-n-tetradecanoic acid	ND U	4.6	1	09/28/16 0
Perfluoroheptane sulfonate	ND U	4.6	1	09/28/16 0
N-ethylperfluoro-1-octanesulfonamide	ND U	4.6	1	09/28/16 0
N-methylperfluoro-1-octanesulfonamide	ND U	4.6	1	09/28/16 0
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol	ND U	4.6	1	09/28/16 0
2-(N-methylperfluoro-1-octanesulfonamido)	ND U	4.6	1	09/28/16 0

Jennifer Griffith, Project Manager

Northeast Waste Management Officials' Association (NEWMOA)

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From: Jennifer Griffith

Sent: Monday, March 13, 2017 1:59 PM

Subject: Reminder: PFAS - March 16th States/EPA call is a Webinar - REGISTER now - March 16th

To: NEWMOA PFAS Working Group

A reminder that our March **monthly States/EPA call on PFAS is a webinar** this week on Thursday March 16th from 10:30 to 12:00 – **if you haven't already, you need to register in order to attend at:**

<https://attendee.gotowebinar.com/register/8193005777668681986>

Cathy Beahm, Air Permit Programs Manager at NH DES will present: "**Air Quality Modeling for PFOA Deposition in NH**". After Q&A on the presentation, we will have our traditional roundtable sharing. Suggested topics include:

- biosolids issues and testing programs/results
- composting issues and testing programs/results
- what are states having the water treatment vendors do with spent paper filter cartridges from POET systems?

- surface water standards - it would be particularly helpful to hear from EPA about this
- compiling sources other than manufacturers that used PFAS and the use of firefighting foams, such as car washes, carpet cleaners, C&D landfills...
- solidifying AFFF with Portland cement – NYS DEC is interesting in obtaining some of the old 3M AFFF to experiment with
- Others? Please send to me

Note: this is a government-only webinar, so please do not share outside your agency. Please contact me with any questions/comments. Thank you...

Also – here is a good summary article shared by Shannon Pociu, CT DEEP - **Emerging Contaminants Cause Regulatory Uncertainty for Water Suppliers and Landowners**: www.martenlaw.com/newsletter/20170309-emerging-contaminants-uncertainty

Jennifer Griffith, Project Manager

Northeast Waste Management Officials' Association (NEWMOA)

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From: Jennifer Griffith

Sent: Tuesday, February 14, 2017 11:20 AM

Subject: PFAS - States/EPA Call - Follow-up from Feb 9th - studies/breaking news/questions

To: NEWMOA PFAS Working Group

Some follow-up information from our February 9th call:

•■■■■■■■■■ **The March States/EPA call will be postponed 1 week – to Thursday March 16th 10:30 to 12:00** (March 9th is the NEWMOA Directors meeting)

•■■■■■■■■■ **The summary of sampling done so far in NH is here:**

<http://www.des.nh.gov/organization/commissioner/documents/pfoa-statewide-status-20170110.pdf>

•■■■■■■■■■ Attached are **3 journal articles on air modeling/deposition** I mentioned that Dr. Guelfo at Brown shared with me (note it was DuPont, not 3M that did the modeling)

•■■■■■■■■■ We want to add a summary of state PFAS standards and sampling/analysis requirements to the PFAS workshop. **Please answer the following questions ASAP** – thanks:

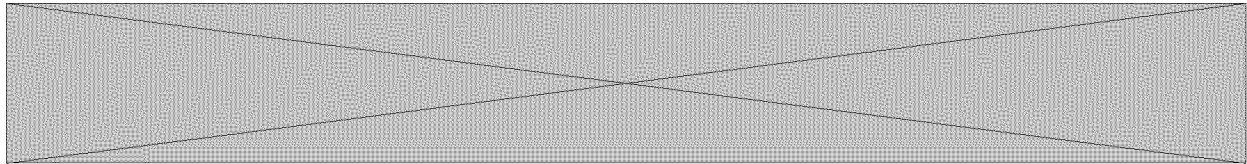
- o What target analytes must be included when groundwater or drinking water is analyzed for PFAS?
- o Which laboratory method must be used?
- o Does your state use a standard or guideline that differs from EPA's Health Advisory of 70 ppt?
- o How is your health advisory/guideline/standard applied? Are the concentrations of PFAS other than PFOA and PFOS summed for the comparison? If so, which ones?
- o Does your state have standards or guidelines for soil or other media? If so, please answer the same set of Qs, as applicable

- There is likely to be high demand for seats at the PFAS workshops – therefore I will send the information to this group first (hopefully this week) – staff should register ASAP (and can cancel later if needed). Two weeks after states get the info, I will publicize the workshop to the consulting community.

- Below is a breaking story on DuPont settling lawsuits related to C8 – in case you haven't seen it already...

I think that's it for now.

Jennifer at NEWMOA



BREAKING

8:41 AM

DuPont to pay \$670 million to settle C8 lawsuits

DuPont to pay \$670 million to settle C8 lawsuits

Monday

Posted Feb 13, 2017 at 8:31 AM Updated Feb 13, 2017 at 8:31 AM

By [Earl Rinehart](#)
The Columbus Dispatch

DuPont and its spinoff company Chemours will pay \$670 million to settle a decades-old battle over C8, a chemical it used to make Teflon, and which has been linked to a host of health problems including cancer.

The settlement announced Monday affects more than 3,500 personal-injury claims by residents in Ohio and West Virginia. It also could impact complaints over the use of the chemical elsewhere in the United States and other countries.

The settlement includes \$1.6 million that will be paid to each of 270 plaintiffs with cancers, the most

serious of six illnesses linked to the chemical.

This week, DuPont was in the middle of defending the fourth lawsuit tried in U.S. District Court in Columbus. The chemical giant lost the previous three trials, with the awards increasing with each verdict. The last jury said the chemical giant owed \$10.5 million to a Washington County, Ohio, man with testicular cancer.

DuPont began using C8, also known as perfluorooctanoic acid, at its Washington Works plant south of Parkersburg, West Virginia, in the 1950s. In the 1960s, the company confirmed it was toxic to animals and 10 years later said it had been found in workers' blood.

In 2000, the company reached a settlement with a farmer who said the chemical killed his cattle. That spurred a class-action lawsuit and the involvement of government regulators who ordered DuPont to reduce its air emissions and to reduce the C8 it dumped into the Ohio River.

A study found that, in general, area residents who drank water from wells near the plant had a median level of 38 parts per billion of C8 in their blood - 7.6 times more than the average American. In 2012, a science panel concluded there was a "probable link" existed between C8 and six diseases: kidney cancer, testicular cancer, ulcerative colitis, thyroid disease, pregnancy-induced hypertension and high cholesterol.

The chemical also is "biopersistent," meaning it doesn't biodegrade and remains in a person's blood for decades.

DuPont has argued that it reacted to the problem using the best science of the time, and spent \$594 million to address the problem.

Attorneys for the plaintiffs countered that the company has a "staggering" \$18.8 billion that can be converted to cash, including \$4.5 billion in cash and other sources. The \$2 million it paid a claimant in general damages, the company makes in 42 minutes, they said.

DuPont spun off Chemours to take over Teflon productions and other high-interest products at the Washington Works plant. Defense attorneys said it was an attempt to load its lawsuit debt on Chemours and erase that liability when the new company goes bankrupt.

Chemour officials had said that DuPont is responsible for the C8 debt.

Prosecutors in the Netherlands have begun a criminal investigation into possible C8 contamination from a DuPont plant there.

The thousands of C8 lawsuits were consolidated in a "multidistrict litigation" overseen by U.S. Chief District Judge Edmund A. Sargus Jr. at the courthouse in Columbus. Sargus and other federal judges were to begin tackling 270 cancer lawsuits in May.

From: Jennifer Griffith

Sent: Wednesday, February 08, 2017 10:52 AM

Subject: RE: Reminder: PFAS - Next States/EPA Call This Week - Feb 9th

Greetings:

For our discussion tomorrow – here is the draft website for the PFAS Workshop:
<http://www.newmoa.org/events/event.cfm?m=259> – **please do not forward around** yet - there are still some things to work out on the agenda and presenters to be defined – suggestions on the workshop title? Text? Etc... I hope to have the MA location defined by tomorrow's call...

Jennifer

From: Jennifer Griffith
Sent: Monday, February 06, 2017 1:17 PM
Subject: Reminder: PFAS - Next States/EPA Call This Week - Feb 9th

To: NEWMOA PFAS Working Group

A quick reminder that our **February States/EPA Call is this week on Thursday February 9th from 10:30 – 12:00**. The call-in number is: (513) 386-0000 and the access code is: Ex. 6 - Personal Privacy. On the call we will discuss:

1- The one-day face-to-face workshop is set for **Monday May 8th in CT, Tuesday May 9th in MA, and Wednesday May 10th in NH** – please let me know ASAP of any problems with these – or mark your calendars! I'll forward more information later today...

2- The PFAS area of the NEWMOA website is up and open to the public:
www.newmoa.org/cleanup/projects/pfas.cfm - updates? Changes?

3- NYS DEC amendments affecting use of AFFF (see below) – hopefully someone from NYS DEC can be on the call to elaborate/clarify?

4- States/EPA Roundtable – please share your questions ahead of time if possible

5- Anything else you want to discuss? Please let me know...

Also – FYI - MassDEP has issued draft guidance on sampling for PFAS:
<http://www.mass.gov/eea/docs/dep/cleanup/draft-guidance-on-sampling-for-pfcs-2017-01-17.pdf>

Talk to you Thursday!

Jennifer at NEWMOA

DEC Adopts Amendments to Chemical Bulk Storage Regulations at 6 NYCRR Part 597 – Effective March 3, 2017

On February 1, 2017, the New York State Department of Environmental Conservation (DEC) filed a Notice of Adoption with the New York State Department of State to amend Part 597, Hazardous Substances Identification, Release Prohibition, and Release Reporting, effective March 3, 2017.

The amendments finalized the (1) addition of perfluorooctanoic acid (PFOA-acid, Chemical Abstracts Service (CAS) No. 335-67-1), ammonium perfluorooctanoate (PFOA-salt, CAS No. 3825-26-1), perfluorooctane sulfonic acid (PFOS-acid, CAS No. 1763-23-1), and perfluorooctane sulfonate (PFOS-salt, CAS No. 2795-39-3) to the list of hazardous substances at 6 NYCRR Section 597.3; (2) allowance for continued use of firefighting foam that may contain PFOA-acid, PFOA-salt, PFOS acid or PFOS-salt to fight fires (but not for training or any other purposes) on or before April 25, 2017 even if such use may result in the release of a reportable quantity (RQ), which is otherwise prohibited; and (3) correction to the list of hazardous substances by providing units for RQs.

The final rule making documents, including the Assessment of Public Comment, are available on DEC's website at <http://www.dec.ny.gov/regulations/104968.html>

From: Jennifer Griffith

Sent: Thursday, January 19, 2017 1:49 PM

Subject: PFAS: Updates from January 12th call - info on conferences, lawsuits, QA/QC reports...

To: NEWMOA PFAS Working Group

Some information to follow-up from our call last week:

Information about the June 14/15 **Highly Fluorinated Compounds – Social and Scientific Discovery** conference at Northeastern University in Boston

<https://www.northeastern.edu/environmentalhealth/2016/12/01/save-the-date-highly-fluorinated-compounds-social-and-scientific-discovery/>

Information about the January 31st CA DTSC **Public Workshop on Perfluoroalkyl and Polyfluoroalkyl Substances (PFASs) in Carpets, Rugs, Indoor Upholstered Furniture, and Their Care and Treatment Products** in Sacramento, CA: <http://www.dtsc.ca.gov/SCP/PFAS-Workshop.cfm> - I believe there is a webinar option?

From CT:

Attached - revised version of the PFAS Drinking Water Action Level support document issued by DPH – includes good background info

From VT:

Attached are two reports recently received from the DEC contractor:

- ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ an Audit of sampling results - the RP's contractor was sampling POETs, our contractor took samples at or about the same time at unknown locations to the RP's contractor to check their results. The results showed good correlation between the two sampling locations with the exception of one influent sampling and that the POETs are removing PFOA from getting into the house
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ a Data Quality review letter that shows good data quality results (cross contamination not a significant issue)

From MA:

Article about Cape Cod communities filing lawsuits against 3M
<http://www.capecodtimes.com/news/20170110/cape-officials-file-second-lawsuit-against-foam-companies> To: NEWMOA PFAS Working Group

From MA OTA:

A potential funding source for water system upgrades?

Water Infrastructure Finance and Innovation Act (WIFIA) <https://www.epa.gov/wifia>

The WIFIA program accelerates investment in our nation's water infrastructure by providing long-term, low-cost supplemental loans for regionally and nationally significant projects - Upcoming conference calls on 2/9 and 3/7